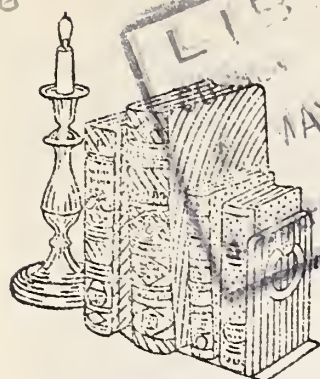


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LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE

ALBUQUERQUE BRANCH
P. O. BOX 1348220 East Central
Jan.-March 1950

Phone 6741-Ext. 108

Vol. 8, Nos. 7-9

NEW BOOKS

ADVANCES IN AGRONOMY, Vol. 1, 1949. Edited by A. C. Herman. 439p. N.Y., Academic Press Inc. 1949

The first volume in a new series prepared under the auspices of the American Society of Agronomy. It has as its objective the survey and review of recent developments in the field. The central theme of the initial volume is soil-crop relationships, and thirteen specialists write on the following topics: Plant growth on saline and alkali soils; New fertilizers and fertilizer practices; Soybeans; The clay minerals in soils; Alfalfa improvement; Soil microorganisms and plant roots; Weed control; Boron in soils and crops; Potato production; Fixation of soil phosphorus.

THE COLLOID CHEMISTRY OF THE SILICATE MINERALS, By C. E. Marshall. 195 p. Academic Press 1949 386 M352

In this volume the author presents the great advances which have been achieved over the last thirty years in our knowledge of silicate structure as it affects surface properties. The greater part is devoted to the clays, where modern research has completely revolutionized our thinking. The silicate structures are copiously illustrated by photographs of atomic models and several line drawings.

T. D. Hutchings, SCS, Regional Office writes: "Professor Marshall gives a scholarly presentation of the crystal structure of the various soil minerals. Generally, the book is difficult to read and many may not find it sufficiently interesting to study through the information given. However, it will be to their advantage to borrow the book and study the diagrams and pictures showing the crystalline structure of soil minerals."

ELEMENTS OF APPLIED HYDROLOGY; By Don Johnstone and W. P. Cross. 276 p. Ronald 1949 292 J65

Contents. - 1. Introduction. - 2. Collecting and presenting precipitation data. - 3. Collecting and presenting runoff data. - 4. Elementary relationships between precipitation and runoff. - 5. The role of the land. - 6. Analysis and synthesis of the hydrograph by unitgraph methods. - 7. Flood routing. - 8. Infiltration theory and the analysis of the hydrograph. - 9. The hydrograph as a function of drainage basin characteristics. - 10. Applications of statistical analysis to hydrology. Problems, Questions and Special Assignments.

MANUAL OF RECOMMENDED PRACTICE. American Wood-Preservers' Assn. Revised 1943.

THE PASTURE BOOK, by W. R. Thompson. 268 p. Decatur, Ga. 1949 60.1 T37

A practical handbook which gives specific information on 60 pasture subjects. Every practice suggested and every recommendation made is based on successful farm experience. Written primarily for southern farmers, the manual will be of interest to agricultural workers in the Southwest who are concerned with the development and management of pastures.

PLANT AND SOIL WATER RELATIONSHIPS, By P. J. Kramer. 347 p. McGraw-Hill. 1949
463.3 K86

One of the authorities in the field of plant physiology discusses the various factors which affect the absorption of water by plants. These factors include the availability of soil moisture, the development of efficient root systems, the nature of the absorption process, the relation between the absorption of water and the absorption of minerals, and the relation between water absorption and other plant processes. There is an extensive bibliography.

PRINCIPLES OF FIELD CROP PRODUCTION, By J. H. Martin and W. H. Leonard. 1176 p. Macmillan 1949 64 M36

This book presents some of the facts and fundamental principles essential to an understanding of field crop production in the United States. It was written as a college text but will be useful as a reference to those concerned with crop production. Greater emphasis has been given to crop production in the western states than in most agronomic texts and there are numerous references to the agricultural literature of the western experiment stations.

PRODUCTION AND WELFARE OF AGRICULTURE, By Theodore W. Schultz. 225 p. Macmillan 1949 281.12 Sch82Pr

A critical study of the patterns of agricultural policy that have emerged since World War I. It is concerned with 1) the allocation of resources so as to achieve as nearly as possible an optimum production, and 2) the ways and means of diminishing income inequality with the least impairment of the economy. In developing these two objectives the author considers changes occurring within the existing economic structure; studies the effects of certain administrative practices upon income and resources; and analyzes the relationship of domestic agricultural programs to international trade.

A SAND COUNTY ALMANAC, AND SKETCHES HERE AND THERE, By Aldo Leopold. 226 p. 1949 404 L552

If you read in the Winter 1949-1950 issue of The Land the excerpt, "Pines Above the Snow", you will be eager to read more of Leopold's "beautiful and persuasive prose.". You will understand, too, why the Friends of the Land chose this book as their first "Conservation Book of the Season." In this collection of his writings, Leopold tells about his weekends on a Wisconsin farm, recounts some of his experiences with the friends and foes of conservation and expresses his positive philosophy of conservation.

THE SKY DETERMINES, By Ross Calvin. 333 p. Univ. of New Mexico Press. 1948
125 M13

Some of our borrowers read the earlier edition of this book published in 1934. This is a revised and enlarged edition illustrated by Peter Hurd. The author has brought the book up to date but the main thesis remains the same "that the Sky Determined the general character of plant life and animal life in the arid Southwest, and influenced the history of its various populations and shaped their cultures until the resources of twentieth century science afforded partial control of the water" - Foreword

THE PRINCIPLES OF SOIL SCIENCE, By Alexius A. J. de Sigmond. 362 p. T. Murby & Co. 1938 56 Si2A

The main theme of this book (published some years ago in longer form in Hungarian) is the presentation and discussion of the system of soil classification known by the author's name. This system has never been described in detail in an English publication. The author divides his discussion of general pedology into four parts: soil genetics, agronomy, systematics and soil cartography. Included are thirty-four illustrations and three plates.

STANDARDS FOR TESTING SOILS (Tentative) India. Central Board of Irrigation. 195 p. 1948 55.9 In222

Methods for the testing of soils as required for different engineering work are presented. The tests, recommended by a permanent committee for the standardization of soil testing methods and apparatus, have been classified under two subheads, "routine tests required for design and construction" and "tests for research work".

THEORY AND PROBLEMS OF SOCIAL PSYCHOLOGY, By David Krech. 639 p. McGraw-Hill 1948 140 K87

An advanced text designed for those interested in psychology as a systematic, interpretive account of human behavior, and in applying the science of psychology to current social issues. The book has been recommended for those engaged in group action and public relations activities of the USDA.

THE WRITTEN WORD: HOW TO WRITE READABLE PROSE, By G. B. Munson. 285 p. Creative Age Press 1949 200.4 M92

According to the Editor of USDA "If you want to write better for any purpose at all you should read this book." It is practical, readable and different. We have a reserve list, but send in your request - we believe you will find this book worth waiting for.

PERIODICAL NOTES

A revised list of periodicals received by the Albuquerque Branch is enclosed. Please read the first page and note the new procedure before requesting periodicals. Do not request periodicals you are now receiving and do not return the periodical list to the library.

The 1950 BUYING GUIDE issue of Consumers' Reports is now available for circulation. The loan period is one week in Albuquerque and two weeks in the field.

SEED TRADE BUYERS GUIDE is the annual directory of the seed trade industry. It contains a wealth of information on seeds. Let us know if you wish to see the 1950 issue.

ATTENTION SCS BORROWERS

Please do not put mail for the SCS Regional offices in with library material, nor include library mail in SCS envelopes. All mail sent to the Library in envelopes should be separate from SCS mail and addressed as follows:

U.S. Dept. of Agriculture
Library - Albuquerque Branch
Box 1348
Albuquerque, New Mexico

AGRICULTURAL APPROPRIATIONS FOR 1951

The Senate and House Hearings on the Department of Agriculture Appropriation Bill have been received.

U.S. Congress. Senate. Committee on Appropriations
AGRICULTURAL APPROPRIATIONS for 1951. 1 Ag81Ses

U.S. Congress. House. Committee on Appropriations
DEPARTMENT OF AGRICULTURE APPROPRIATIONS FOR 1951 1 Ag83Hes

The House Hearings have been published in six parts as noted below. Please indicate which parts you wish to see on your Library Request Form AD-245.

- Part 1. Secretary of Agriculture.-Budget summary.- Research and Marketing Act.- Solicitor, Office of.- Information, Office of.-Extension Service.- Library.- Agricultural Economics, Bureau of
- Part 2. Agricultural Research Admin.- Special Research Fund.- Research on Strategic and Critical Agricultural Materials.- Research on Agricultural Problems of Alaska.- Office of Experiment Stations.- Bureau of Plant Industry.- Bureau of Dairy Industry.- Bureau of Plant Industry, Soils, and Agricultural Engineering
- Part 3. Bureau of Entomology and Plant Quarantine.- Bureau of Agricultural and Industrial Chemistry.- Bureau of Human Nutrition and Home Economics.- Control of Forest Pests.-Forest Service
- Part 4. Rural Electrification Admin.- Flood Control.- Soil Conservation Service.- Farm Credit Admin.- Commodity Exchange Authority.- Office of the Solicitor.- Agricultural Research Administration.- Farmers Home Administration
- Part 5. Production and Marketing Admin.- Federal Crop Insurance Corporation.- Office of the Secretary.- Bureau of Entomology and Plant Quarantine.- Forest Pest Control Act.- Office of Foreign Agriculture Relations
- Part 6. Testimony of Members of Congress, Interested Organizations, and Individuals

NEW BULLETINS

AGRICULTURAL ECONOMICS

AGRICULTURAL ECONOMIC AND STATISTICAL PUBLICATIONS. U.S. Bur. of Agr. Econ. 1949
THE AGRICULTURAL ESTIMATING AND REPORTING SERVICES OF THE UNITED STATES DEPARTMENT
OF AGRICULTURE. USDA Misc. Pub. 703 1949 1 Ag84M
AN ANALYSIS OF SPECULATIVE TRADING IN GRAIN FUTURES. USDA Tech. Bul. 1001. 1949
ARIZONA AGRICULTURE 1950. Ariz. Agr. Exp. Sta. Bul. 226. 1950 10C Ar4B
CHANGES IN AMERICAN FARMING. USDA Misc. Pub. 707. 1949 1 Ag84M
CONSUMPTION OF FEED BY LIVESTOCK 1942-47. RELATION BETWEEN FEED, LIVESTOCK, AND
FOOD AT THE NATIONAL LEVEL. USDA Circ. 836 1949 1 Ag84C
FARM LAND OWNERSHIP IN THE UNITED STATES. USDA Misc. Pub. 699. 1949 1 Ag84M
FARM MORTGAGE INTEREST CHARGES AND INTEREST RATES, 1940-48. USDA Circ. 821. 1949

AGRICULTURAL ECONOMICS (Cont.)

FARM PRODUCTION PRACTICES COSTS AND RETURNS. USDA Stat. Bul. 73 1949 1 Ag84St
GROUP TENURE IN ADMINISTRATION OF PUBLIC LANDS. USDA Cir. 829 1949 1 Ag84C
SPRINKLER IRRIGATION COSTS FOR VEGETABLE CROPS IN THE ~~WAS~~ JAMETTE VALLEY, OREGON.
Oregon Agr. Exp. Sta. Bul. 463 1949 100 Or3b.
WORLD FOOD APPRAISAL AS OF APRIL 1949. Food and Agr. Organization 1949 389.9 F735W

ENTOMOLOGY

DIAGNOSING BEE DISEASES IN THE APIARY. USDA Circ. 392 Rev. 1949 1 Ag84C
EUROPEAN EARWIG CONTROL. Utah Ext. Bul. N.S. 145. 275.29 Utlc
INSECT-PROOFING COTTON BAGS. U.S. Bur. of Ent. and Plant Quar. E-783. 1949 1.9 En8
INTESTINAL WORMS IN SHEEP. Mont. Agr. Exp. Sta. Circ. 192 1949 100 M76C
THE NEW COOPERATIVE GYPSY MOTH CONTROL PROGRAM. U.S. Bur. of Ent. and Plant Quar.
EC-8 1949 1.967 A2Ec1
NEW SPRAYS FOR TICKS ON LIVESTOCK. U.S. Bur. of Ent. and Plant Quar. EC-10. 1950
1.967 A2Ec1
SAMPLING FORAGE CROPS TREATED WITH ORGANIC INSECTICIDES FOR DETERMINATION OF
RESIDUES. U.S. Bur. of Ent. and Plant Quar. E-793 1950 1.9 En83

FEEDS AND FEEDING

ALFALFA-MOLASSES SILAGE AS A ROUGHAGE IN STEER FATTENING. Pa. Agr. Exp. Sta. Bul.
507 1949 100 P38b
CATTLE FATTENING PROJECTS 1944-48. Ariz. Agr. Exp. Sta. Mimio Rept. 85. 1948
DRIED SWEET POTATOES AS A REPLACEMENT FOR CORN IN FATTENING BEEF CATTLE. Okla. Agr.
Exp. Sta. B-342. 1950 100 Ok4b
FATTENING STEERS IN THE EL PASO VALLEY, 1948-49. Texas Agr. Exp. Sta. Prog. Rpt.
1194. 1949. 100 T31Pr
FEED FOR CHICKENS. Calif. Ext. Circ. 159 1949 275.29 C12C
FEEDING AND BREEDING TESTS WITH SHEEP, SWINE, AND BEEF CATTLE - Progress Report:
1948-49. Okla. Agr. Exp. Sta. Misc. Pub. MP-15. 1949 100 Ok4
HARVESTING PASTURE AND FORAGE CROPS WITH TURKEYS. A Progress Report. Oregon. Agr.
Exp. Sta. Circ. of Information 467 1949 100 Or3Ci
MUNGBEANS AS A POULTRY FEED. Okla. Agr. Exp. Sta. Bul. B-336. 1949 100 Ok4B
PASTURE AND SUPPLEMENTARY SOURCES OF PROTEIN FOR PIGS. Pa. Agr. Exp. Sta. Bul. 516
1949 100 P38b

FORESTRY

CAN WE INDUCE PROMPT REGENERATION IN SELECTIVELY-CUT PONDEROSA PINE STANDS?
Northern Rocky Mountain Forest and Range Exp. Sta. Research Note 81. 1.9622 N3R31
CONSUMPTION OF PONDEROSA PINE SEED BY SMALL MAMMALS. Northern Rocky Mountain Forest
and Range Exp. Sta. Research Note 80. 1950 1.9622 N3R31
DECAY RESISTANCE OF BLACK LOCUST HEARTWOOD. USDA Tech. Bul. 984 1949 1 Ag84Te
DISPERSAL AND SURVIVAL OF SEED IN A PARTIALLY-CUT PONDEROSA PINE STAND. Northern
Rocky Mountain Forest & Range Exp. Sta. Research Note 79. 1950 1.9622 N3R31
GROWTH IN UNDERSTOCKED AND OVERSTOCKED WESTERN WHITE PINE STANDS. Northern Rocky
Mountain Forest and Range Exp. Sta. Research Note 78. 1950 1.9622 N3R31
LOGGING FARM FOREST CROPS IN THE NORTHEAST. USDA Farmers' Bul. 2008. 1949 1 Ag84F
PONDEROSA PINE BIBLIOGRAPHY. Northern Rocky Mountain Forest and Range Exp. Sta.
Paper 22. 1950 1.9622 N3St1
RECOMMENDATIONS FOR POISONING WESTERN HEMLOCK. Northern Rocky Mountain Forest and
Range Experiment Station Research Note 77. 1950 1.9622 N3R31
TIMBER STAND IMPROVEMENT IN THE SOUTHERN APPALACIAN REGION. USDA Misc. Pub. 693
1949 1 Ag84M

LIVESTOCK

BACKGROUND AND INFLUENCE OF THE BEEF BREEDS OF CATTLE. Ky.Ext.Div. Circ.467. 1949
EXPERIMENTS ON THE COMBINED USE OF CRYSTAL-VIOLET VACCINE AND ANTI-HOG CHOLERA
SERUM IN THE PREVENTION OF HOG CHOLERA. USDA Circ. 807 1949 1 Ag840
HOG CHOLERA. USDA Farmers' Bul. Rev. 1949 1 Ag84F No. 834
HOW TO SELECT A SOUND HORSE. USDA Farmers' Bul. 779. Rev.1949 1 Ag84F
PORE ON THE FARM, KILLING, CURING AND CANNING. USDA Farmers' Bul.1186 Rev.1949
NUTRITIONAL DEFICIENCIES IN LIVESTOCK. Food and Agr. Organization FAO Agr. Studies
5 1949 28F73
RINDERPEST VACCINES. Their Production and Use in the Field. Food and Agr. Organ-
ization FAO Agr. Studies 8. 1949 28F73
TICK FEVER. USDA Farmers' Bul. 1625 Rev. 1949 1 Ag84F

RANGE AND PASTURE

EFFECT OF RODENTS, RABBITS AND CATTLE ON TWO VEGETATION TYPES IN SEMIDESERT RANGE
LAND. N.M. Agr. Exp. Sta. Bul. 353 1950 100 N46sb
EFFICIENCY STUDIES OF UTAH DAIRY PASTURES. Utah Ext. Bul. 188 275.29 Ut16
FORAGE FROM KOCHIA (kochia Scoparia L.) S.D. Agr. Exp. Sta. Bul.384 1947 100 So82B
RECOMMENDATIONS FOR RANGE SEEDING IN UTAH. UTAH EXT. BUL. 193. 275.29 Ut16

SOIL - FERTILIZER

BORON AS A FACTOR IN ARIZONA'S AGRICULTURE. Ariz. Agr. Exp. Sta. Tech. Bul.118.
1949 100 Ar4Te
DUST STORMS COME FROM THE POORER LANDS. USDA Leaflet 260 1949 1 Ag84L
FERTILIZER EXPERIMENTS ON GRASSLANDS IN THE NORTHEASTERN REGION. Pa. Agr. Exp. Sta.
Bul. 518 1949 100 P38b
FERTILIZERS. Food and Agr. Organization Commodity series Bul.17. 1949 389.9 F735C
GRASSES AND LEGUMES FOR SOIL CONSERVATION IN THE PACIFIC NORTHWEST. USDA Misc.Pub.
678 1949 1 Ag84M
KNOW YOUR PLANT AND SOIL REQUIREMENTS. 99 p. Cambell Soup Co. Research Monograph
3 1949 81 C15
NATION-WIDE EROSION CONTROL. SOIL CONSERVATION DISTRICTS AND THE POWER OF LAND-
USE REGULATIONS. Reprinted from Iowa Law Review, Vol.34, no.2, January 1949
SOIL, PEOPLE, AND FERTILIZER TECHNOLOGY. U.S. Tennessee Valley Auth. 1949
SOIL PIPING IN SOUTHEASTERN ARIZONA. SCS Regional Bul. 110 1949 1.9608 R26
STREAMBANK PLANTINGS FOR EROSION CONTROL IN THE NORTHEAST. USDA Leaflet 258.1 Ag84L
WORKING TOGETHER IN SOIL CONSERVATION DISTRICTS. Address by H.H. Bennett. SCS
1949 1.96 Su7w

WATER

INFILTRATION IN RELATION TO RUNOFF ON SMALL WATERSHEDS. SCS-TP-81 1949 1.96 Ad6Tp
THE OCCURRENCE OF GROUND WATER IN THE TIJERAS SOIL CONSERVATION DISTRICT, BERNALILLO
COUNTY, NEW MEXICO. SCS Regional Bul. 109 1949 1.9608 R26
PROGRESS IN SNOWMELT INVESTIGATIONS AT THE FRASER EXPERIMENTAL FOREST. Report 1 the
1948 snowmelt season. U.S. Rocky Mountain Forest and Range Exp.Sta. 1949
SNOW SURVEYS FOR FORECASTING STREAM FLOW IN WESTERN NEVADA. Nevada Agr. Exp. Sta.
Bul. 184. 1949 100 N41sb
SOME REFERENCES ON WATERSHED MANAGEMENT. Pacific Northwest Forest and Range Exp.
Sta. Research Notes 63 1950 1.9 F7629Fr
A TIN CAN INFILTRMETER WITH IMPROVISED BAFFLE. U.S. Northern Rocky Mountain
Forest and Range Exp. Sta. Research Note 76 1950 1.9622 N3R31
WATER SUPPLY FORECASTS FOR THE WESTERN UNITED STATES 1949-50 Water Year.

